MEPRS: Our Cost Accounting System

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Outline

- ## MEPRS Introduction
- ## Significance of MEPRS Data
- ## Data Quality Challenge

  – Data-Based MEPRS Education

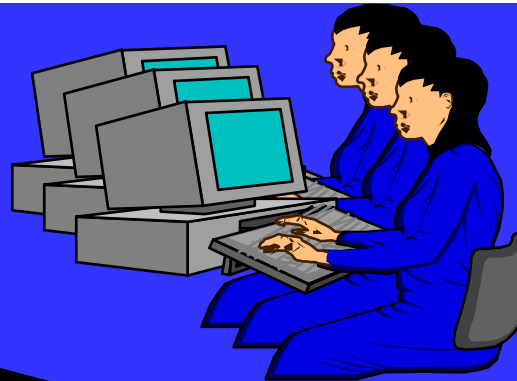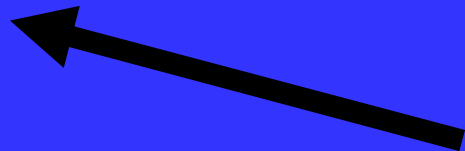 – MEPRS Data Quality Surveillance
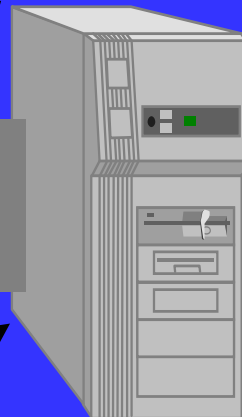
MEPRS Introduction

Background

- MEPRS: Medical Expense and Performance Reporting System

- Provides <u>uniform reporting</u> of expense, manpower, & workload for DoD Medical Treatment Facilities (MTF)

- Standardized reporting by Functional Cost Code (FCC)

- Central MEPRS data repositories
  - FY01 – Present: <u>EAS IV Repository</u>
  - FY93-00: <u>MEPRS Executive Query System (MEQS)</u>

EAS IV

EAS IV Repository Access via Business Objects

EAS IV Repository-- DoD-Standardized MEPRS Data

Local MTF EAS IV

Service Financial System

- O&M Expense
- Civilian Salary
- Obligation data

Composite Health Care System (CHCS)

- Admissions/Discharges
- Bed Days
- Visits
- Ancillary Workload

Service Personnel System

- Manpower data
- MILPERS

MEPRS Introduction

Functional Cost Codes (FCCs)

- 4-letter MTF-specific codes representing work centers or reporting facilities; used to track costs, workload and FTEs

- First 3 letters are DoD-standard

- The first letter identifies the type of service provided:

  A - Inpatient Care

  B - Ambulatory Care

  C - Dental Care

  D - Ancillary Services

  E - Support Services

  F - Special Programs

  G - Medical Readiness

MEPRS Introduction

Functional Cost Codes (FCCs)

- The second letter identifies Summary Accounts within MTF functional categories:

  - B =   AMBULATORY CARE
    - BA = Medical Care
    - BB = Surgical Care
    - BC = Obstetrical/Gynecological Care
    - BD = Pediatric Care
    - BE = Orthopedic Care
    - BG = Family Practice Care
    - BH = Primary Medical Care

MEPRS Introduction

Functional Cost Codes (FCCs)

- The third letter identifies particular work centers within Summary Accounts:

    – B = AMBULATORY CARE
    - BA = MEDICAL CARE
        – BAA = Internal Medicine Clinics
        – BAB = Allergy Clinic
        – BAC = Cardiology Clinic
        – BAE = Diabetic Clinic
        – BAF = Endocrinology Clinic
        – BAG = Gastroenterology Clinic

MEPRS Introduction

Functional Cost Codes (FCCs)

- The fourth letter is MTF-unique and used to identify specific types of costs and workload:
  - B = AMBULATORY CARE
    - BA = MEDICAL CARE
      - BAA = Internal Medicine Clinics
        - BAAG* = Cascade Team
        - BAAH* = Olympic Team
        - BAAI* = Rainer Team

*Note: Service/Facility Specific Breakout at the 4th Level FCC
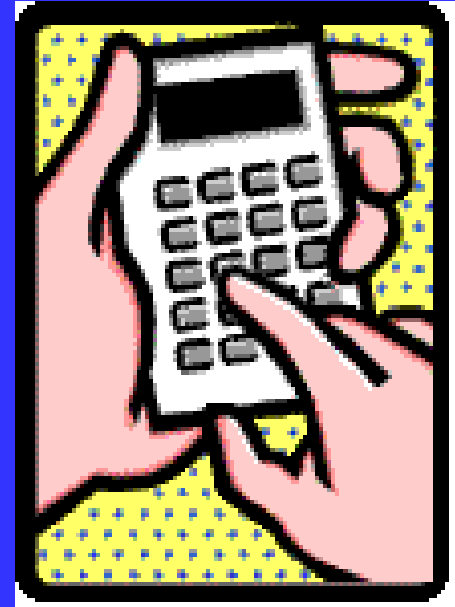
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MEPRS Introduction

Total Expenses

– Direct Expenses

- Supplies
- Labor

+

– Expenses from Cost Pools

– Expenses from Ancillary (D) accounts
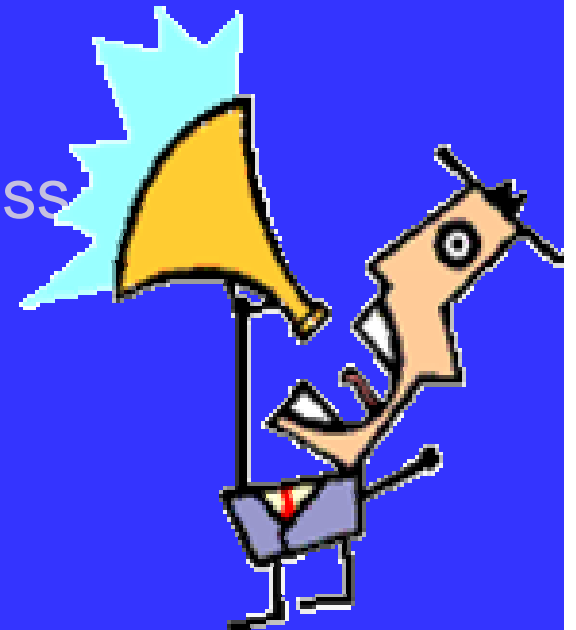
– Expenses from Support (E) accounts

Significance of MEPRS Data

Significance of MEPRS Data

- MEPRS data are used throughout MHS for policy decisions and program development, execution and evaluation

    - Civilian & Military Pay
    - Third Party Collections (TPC)
    - Reporting health care cost to Congress
    - Manpower Standards (ASAM)

Significance of MEPRS Data

- MEPRS data are used to derive metrics used in MHS Corporate Decision Support Systems
  - MHS Data Mart (M2)
    - Patient-level Full Costs
    - Incremental Costs

  - MHS Data Repository (MDR)
    - Costs tied to SIDR's
    - Costs tied to SADR's
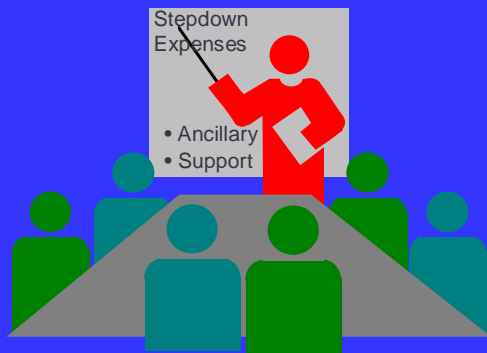
MEPRS Data Quality Challenge

MEPRS Data Quality Challenge

- Data quality issues in MEPRS generally result from:
    - Insufficient vigilance or attention to data quality
    - Lack of effective education and training
    - Inconsistent implementation of policies, guidelines and business rules
    - System-related issues -- transmission or processing errors
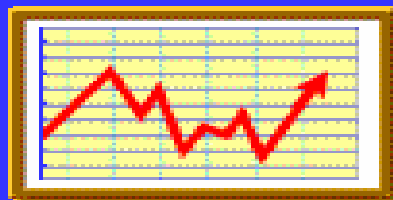
Dual-Front Approach

Data-Based MEPRS Education

– MEPRS Application and Data Improvement Workshops

MEPRS Data Quality Surveillance

– MEPRS Early Warning and Control System (MEWACS)

MEPRS Data Quality Challenge

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Data-Based MEPRS Education

- Hands-on EAS IV education focusing on proper interpretation and application of MEPRS data
- Targeting MTF, Lead Agent, or Service-level personnel in Resource Management, MEPRS, Data Quality functions and others responsible for data management/reporting
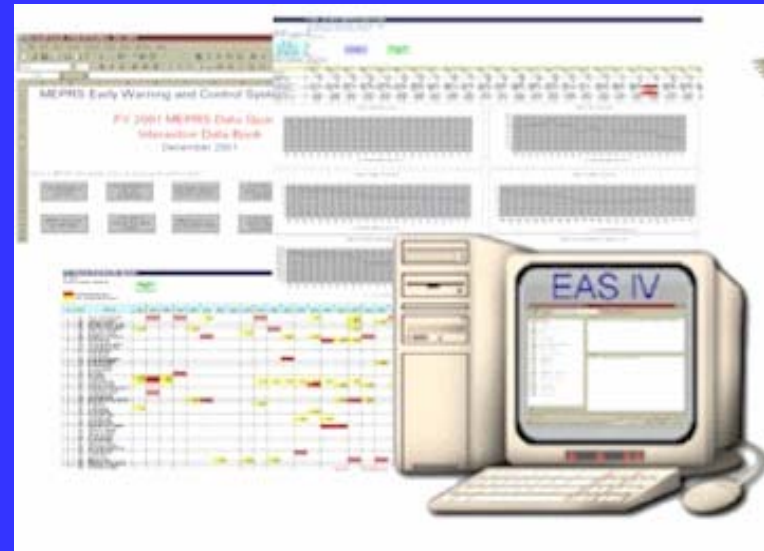- Developed and facilitated by experienced MEPRS data analysts

Data-Based MEPRS Education

- Over a dozen Tri-Service workshops executed since 2001
- Hands-on approach was well-received -- very favorable comments and evaluations
- Remaining FY 2003 MADI workshops include:
    - 7 October, San Antonio
    - 2 December, BUMED
    - (more may be added – please check the web site!)
- www.tricare.osd.mil/ebc/rm_home/meprseducation

MEPRS Data Quality Surveillance

- ## MEPRS Early Warning and Control System (MEWACS)

  – Comprehensive MTF-level MEPRS data review available on-line at: http://www.tricare.osd.mil/ebc/rm_home/mewacs/mewacsol/index.cfm

  – MEWACS provides early warning and timely and relevant feedback to MTFs on MEPRS data quality

  – The MEPRS Management Improvement Group (MMIG) conducts regular data reviews

MEPRS Data Quality Surveillance

- Current MEWACS metrics Include:
  - MEPRS data load compliance and completeness metrics
  - Outliers and variance tests by MTF
  - Interactive MEPRS data profiles by MTF and clinic
  - WWR/EAS IV total visits comparison
  - Expense allocation assessments
  - Cost per visit and disposition detail by MTF and clinic
  - MEPRS / DFAS Financial Reconciliation
- Future metrics planned (MEWACS Part II)
  - Cost per Relative Weighted Product (RWP)
  - Pharmacy Lab, and Rad expenses by MTF and clinic
  - Provider FTEs by 3rd-level FCC

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Q & A

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